

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 05056744
PUBLICATION DATE : 09-03-93

APPLICATION DATE : 02-09-91
APPLICATION NUMBER : 03220867

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INT.CL. : A21D 8/02 A21C 1/00 // B01F 7/00

TITLE : METHOD FOR KNEADING DOUGH CONTAINING WHEAT FLOUR AND KNEADING
DEVICE THEREFOR

ABSTRACT : PURPOSE: To judge a blended state of dough and to accurately and readily decide completion of kneading operation in blending wheat flour with water and subsidiary materials by detecting change of drive force caused by reaction force of dough (material) through a revolving and stirring rod.

CONSTITUTION: The value of power to drive a revolving and stirring rod of a blender to knead wheat flour with water and subsidiary materials while stirring to give dough is detected, change of drive force in a very short time caused by change of reaction force received from the dough by rotation of the revolving and stirring rod is discovered, the peak value of the change of drive force in the very short time is obtained in each short time and the advance state of the kneading operation is judged based on the state of the change of the peak value.

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XP-002183514

AN - 1986-296069 [45]
AP - JP19850059424 19850326
CPY - SYST-N
DC - D21
FS - CPI
IC - A21C1/00 ; A21D8/02 ; B01F7/00
MC - D01-A05
PA - (SYST-N) SYST SOGOKAIHATSU K
PN - JP61219333 A 19860929 DW198645 007pp
- JP1031852B B 19890628 DW198929 000pp
PR - JP19850059424 19850326
XA - C1986-128468
XIC - A21C-001/00 ; A21D-008/02 ; B01F-007/00
AB - J61219333 Mixer load in kneading process of bread base material is
detected and kneading condition for each bath is indicated by
variation curve and pulsation amplitude curve of mixer load signal.
- USE/ADVANTAGE - Change of condition of base material during kneading
is shown by typical pattern obtd. from load signal of mixer driving
motor. Adequate kneading is ensured and operator is able to carry out
optimum kneading process without malfunctioning of base
material. (7pp Dwg.No.0/7)
IW - MONITOR KNEAD WORK BREAD DOUGH LOAD SIGNAL MIX LOAD SIGNAL
IKW - MONITOR KNEAD WORK BREAD DOUGH LOAD SIGNAL MIX LOAD SIGNAL
NC - 001
OPD - 1985-03-26
ORD - 1986-09-29
PAW - (SYST-N) SYST SOGOKAIHATSU K
TI - Monitoring kneading work of bread dough - from load signal of mixer
load signal